VME Intensity Monitor - Task #16045

Configure a cycle device for R:TOR703 g-2 operation

04/03/2017 10:36 AM - John Diamond

Status:	Resolved	**Start date:**	04/03/2017
Priority:	Normal	**Due date:**	
Assignee:	John Diamond	**% Done:**	100%
Category:	Deploy & Config	**Estimated time:**	2.00 hours
Target version:		**Spent time:**	2.00 hours

Description

Configure a cycle device that measures each micro-bunch injection for g-2 operation.

History

#1 - 04/03/2017 10:39 AM - John Diamond

Our last e-mail to the Muon department suggested that the device be called R:T703Ix (where x comes from the recycler reset TCLK event).

#2 - 04/03/2017 10:51 AM - John Diamond

- Subject changed from Configure a cycle device for R:TOR753 g-2 operation to Configure a cycle device for R:TOR703 g-2 operation

#3 - 04/03/2017 01:54 PM - John Diamond

- Status changed from New to Resolved

- % Done changed from 0 to 100

Configured a cycle device with 8 events called R:T703E9 and an injection cycle device triggered on the $F6 called R:T703I9.

Found that the CycleDevice class has a hard-limit of 6 samples. Increased this to 32.

Unfortunately the cycle device support as it stands has no way of supporting two different samples with the same TCLK event like the g-2 transfers are structured. We will need to come up with a way to support the second group of 8 transfers. I will create another ticket for this.

#4 - 04/03/2017 01:59 PM - John Diamond

See #16050 for supporting the second group of 8 transfers.